



**FORM PTO-1449 TO BE FILED WITH
INFORMATION DISCLOSURE STATEMENT**

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No. 1229-009 Serial No. 10/051,865

INFORMATION
DISCLOSURE STATEMENT
BY APPLICANTS

Malmberg, et al.

Applicant

Hy.
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JUL 10 2003

01/10/2002

Filing Date

1651

Group Art Unit

TECH CENTER 1600/2900

Robert J. Bell
Examiner's Name

U.S. PATENT DOCUMENTS

Examiner's Initial	Document Number	Date	Name	Class/Sub-class
<u>RB</u>	3,546,0372	12/70	Araki, et al.	195/47
	4,769,061	9/88	Comai	504/206
	5,214,165	5/93	Sutherland, et al.	549/433
	5,605,818	2/97	Katsumata, et al.	435/108

FOREIGN PATENT DOCUMENTS

Country	Patent No.	Inventor(s)
None		

OTHER DOCUMENTS

1. "Recovery of Shikimic Acid Using Temperature-Swing Complexation Extraction
and Displacement Back Extraction," Miles, et al., *Isolation & Purification*, 1994, vol.
2, pp 75-82.

Robert J. Bell

8/22/03

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2. "The Biosynthesis and Synthesis of Shikimic Acid, Chorismic Acid and Related Compounds," Campbell, et al., *Synthesis*, Feb., 1993, pp. 179-193.
 3. "Chemical Synthesis of Shikimic Acid and Its Analogues," Jiang, et al., *Tetraedron* Report No. 449, vol. 54, 1998, pp 4697-4753.

Examiner <i>Mark J. Lollar</i>	Date Considered <i>9/22/03</i>
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Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

The identification of any document herein is not intended to be, and should not be understood as being, an admission that each such document, in fact, constitutes "prior art" within the meaning of applicable law since, for example, a given document may have a later effective date than at first seems apparent or the document may have an effective date which can be antedated. The "prior art" status of any document is a matter to be resolved during prosecution.

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U.S. Department of Commerce
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Atty. Docket No. 1229-009 Serial No. 10/051,864 10/041,865
B10 1229-009

INFORMATION
DISCLOSURE STATEMENT
BY APPLICANTS

Malmberg, et al.
Applicant



101/10/2002
Filing Date

16057

Group Art Unit

Examiner's name

Theresa

U.S. PATENT DOCUMENTS

Examiner's Initial	Document Number	Date	Name	Class/Sub-class
<i>JK</i>	3,546,0372	12/70	Araki, et al.	195/47
	4,769,061	9/88	Comai	504/206
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	5,605,818	2/97	Katsumata, et al.	435/108

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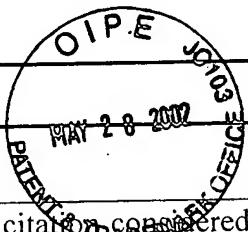
1. "Recovery of Shikimic Acid Using Temperature-Swing Complexation Extraction
and Displacement Back Extraction," Miles, et al., *Isolation & Purification*, 1994, vol.
2, pp 75-82.

**THE FOLLOWING
ATTACHED ARE DUPLICATES**

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2. "The Biosynthesis and Synthesis of Shikimic Acid, Chorismic Acid and Related Compounds," Campbell, et al., *Synthesis*, Feb., 1993, pp. 179-193.
3. "Chemical Synthesis of Shikimic Acid and Its Analogues," Jiang, et al., *Tetraedron* Report No. 449, vol. 54, 1998, pp 4697-4753.

Examiner	Date Considered
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